

CLAIMS

1. A resin composition comprising at least one biodegradable organic high molecular compound, a flame retardant additive containing a phosphorus-containing compound, and a hydrolysis suppressing agent suppressing hydrolysis of said at least one organic high molecular compound.
2. The resin composition according to claim 1 wherein said organic high molecular compound is an aliphatic polyester resin, a polysaccharide, a peptide, polyvinyl alcohol, a polyamide, a polyalkylene glycol or a copolymer containing at least one thereof.
3. The resin composition according to claim 2 wherein said aliphatic polyester resin is polylactic acid, polycaprolactone, polyhydroxy lactic acid, polyhydroxy valeric acid, polyethylene succinate, polybutylene succinate, polybutylene adipate, polymalic acid, polyester synthesized by fermentation or a copolymer containing at least one thereof.
4. The resin composition according to claim 2 wherein said polysaccharide is cellulose, starch, chitin, chitosan, dextran, one of derivatives thereof, or a copolymer containing at least one thereof.
5. The resin composition according to claim 4 wherein the derivative of the cellulose is esterified cellulose.
6. The resin composition according to claim 4 wherein the derivative of the starch is esterified starch.

7. The resin composition according to claim 1 wherein said phosphorus-containing compound is at least one of an organic phosphorus compound, element phosphorus and an inorganic phosphorus compound.
8. The resin composition according to claim 1 wherein said hydrolysis suppressing agent is a carbodiimide compound, an isocyanate compound or an oxazoline compound.
9. A molded product obtained on molding a resin composition comprising at least one biodegradable organic high molecular compound, a flame retardant additive containing a phosphorus-containing compound, and a hydrolysis suppressing agent suppressing hydrolysis of said at least one biodegradable organic high molecular compound.
10. An electrical product including, as a component element thereof, a molded product obtained on molding a resin composition comprising at least one biodegradable organic high molecular compound, a flame retardant additive containing a phosphorus-containing compound, and a hydrolysis suppressing agent suppressing hydrolysis of said at least one biodegradable organic high molecular compound.
11. The electrical product according to claim 10 wherein said component element is a casing.
12. A method for fabrication of a resin composition comprising compounding at least one biodegradable organic high molecular compound, a flame retardant

additive containing a phosphorus-containing compound, and a hydrolysis suppressing agent suppressing hydrolysis of said at least one biodegradable organic high molecular compound.

13. A resin composition comprising at least one biodegradable organic high molecular compound, a flame retardant additive containing a phosphorus-containing compound and a hydroxide, and a hydrolysis suppressing agent suppressing hydrolysis of said at least one biodegradable organic high molecular compound.

14. The resin composition according to claim 13 wherein said organic high molecular compound is an aliphatic polyester resin, a polysaccharide, a peptide, polyvinyl alcohol, a polyamide, a polyalkylene glycol or a copolymer containing at least one thereof.

15. The resin composition according to claim 14 wherein said aliphatic polyester resin is polylactic acid, polycaprolactone, polyhydroxy lactic acid, polyhydroxy valeric acid, polyethylene succinate, polybutylene succinate, polybutylene adipate, polymalic acid, polyester synthesized by fermentation or a copolymer containing at least one thereof.

16. The resin composition according to claim 14 wherein said polysaccharide is cellulose, starch, chitin, chitosan, dextran, one of derivatives thereof, or a copolymer containing at least one thereof.

17. The resin composition according to claim 13 wherein said hydroxide includes at

least one metal hydroxide.

18. The resin composition according to claim 17 wherein said metal hydroxide is at least one of aluminum hydroxide, magnesium hydroxide and calcium hydroxide.
19. The resin composition according to claim 13 wherein said flame retardant additive further includes a nitrogen compound.
20. The resin composition according to claim 19 wherein said nitrogen compound is a nitrogen oxide.
21. The resin composition according to claim 20 wherein said nitrogen oxide is a non-metallic nitric acid compound and/or a non-metallic nitrous acid compound.
22. The resin composition according to claim 13 wherein the average particle size of said hydroxide is 100 µm or less.
23. The resin composition according to claim 19 wherein the average particle size of said nitrogen compound is 100 µm or less.
24. The resin composition according to claim 13 wherein the phosphorus-containing compound is at least one of the organic phosphorus compound, element phosphorus and the organic phosphorus compound.
25. The resin composition according to claim 13 wherein the hydrolysis suppressing agent is a carbodiimide compound, an isocyanate compound or an oxazoline compound.
26. A molded product obtained on molding a resin composition comprising at least one biodegradable organic high molecular compound, a flame retardant additive

containing a phosphorus-containing compound and a hydroxide, and a hydrolysis suppressing agent suppressing hydrolysis of said at least one biodegradable organic high molecular compound.

27. An electrical product including, as a component element thereof, a molded product obtained on molding a resin composition comprising at least one biodegradable organic high molecular compound, a flame retardant additive containing a phosphorus-containing compound and a hydroxide, and a hydrolysis suppressing agent suppressing hydrolysis of said at least one biodegradable organic high molecular compound.

28. The electrical product according to claim 27 wherein said component element is a casing.

29. A method for fabrication of a resin composition comprising compounding at least one biodegradable organic high molecular compound, a flame retardant additive containing a phosphorus-containing compound and a hydroxide, and a hydrolysis suppressing agent suppressing hydrolysis of said at least one biodegradable organic high molecular compound.

30. A resin composition comprising at least one biodegradable organic high molecular compound, a flame retardant additive containing a phosphorus-containing compound and a hydroxide, and a hydrolysis suppressing agent suppressing hydrolysis of said at least one biodegradable organic high molecular compound.

31. The resin composition according to claim 30 wherein said organic high molecular compound is an aliphatic polyester resin, a polysaccharide, a peptide, polyvinyl alcohol, a polyamide, a polyalkylene glycol or a copolymer containing at least one thereof.
32. The resin composition according to claim 31 wherein said aliphatic polyester resin is polylactic acid, polycaprolactone, polyhydroxy lactic acid, polyhydric valeric acid, polyethylene succinate, polybutylene succinate, polybutylene adipate, polymalic acid, polyester synthesized by fermentation or a copolymer containing at least one thereof.
33. The resin composition according to claim 30 wherein said nitrogen compound is a nitrogen oxide.
34. The resin composition according to claim 33 wherein said nitrogen oxide is a non-metallic nitric acid compound and/or a non-metallic nitrous acid compound.
35. The resin composition according to claim 30 wherein the average particle size of said hydroxide is 100 µm or less.
36. The resin composition according to claim 30 wherein said hydroxide includes at least one metal hydroxide.
37. The resin composition according to claim 36 wherein said metal hydroxide is at least one of aluminum hydroxide, magnesium hydroxide and calcium hydroxide.
38. The resin composition according to claim 30 wherein the average particle size of said nitrogen compound is 100 µm or less.

39. The resin composition according to claim 30 wherein the hydrolysis suppressing agent is a carbodiimide compound, an isocyanate compound or an oxazoline compound.

40. A molded product obtained on molding a resin composition comprising at least one biodegradable organic high molecular compound, a flame retardant additive containing a phosphorus-containing compound and a hydroxide, and a hydrolysis suppressing agent suppressing hydrolysis of said at least one biodegradable organic high molecular compound.

41. An electrical product including, as a component element thereof, a molded product obtained on molding a resin composition comprising at least one biodegradable organic high molecular compound, a flame retardant additive containing a phosphorus-containing compound, and a hydrolysis suppressing agent suppressing hydrolysis of said at least one biodegradable organic high molecular compound.

42. The electrical product according to claim 41 wherein said component element is a casing.

43. A method for fabrication of a resin composition comprising compounding at least one biodegradable organic high molecular compound, a flame retardant additive containing a phosphorus-containing compound and a hydroxide, and a hydrolysis suppressing agent suppressing hydrolysis of said at least one biodegradable organic high molecular compound.